Job title	Ph.D. Student in Cognitive Psychology and/or Neural Networks
Ref	2018-08-LEAD
Job type (PhD, Post-doc, Engineer)	Ph.D.
Contract duration (months)	36 months (starting date: 1 October 2018)
Qualifications (Master degree, PhD...)	Master's degree (completed or near completion)
Job hours (full time/ part time)	full time
Employer	UBFC – Université de Franche-Comté
Host Laboratory	Laboratoire d'Etude de l'Apprentissage et du Développement (Laboratory for Research on Learning and Development)
URL Host Laboratory	leadserv.u-bourgogne.fr/en/
Address Host Laboratory	Université de Bourgogne - LEAD - CNRS UMR 5022 Pôle AAFE - 11 Esplanade Erasme - 21000 DIJON
Job description	**Duties** Your duties will include running experiments and writing papers in the context of a UBFC-funded project on learning, cognitive control, and neural network modelling headed by Prof. James R. Schmidt. Research will focus on understanding basic principles in human contingency, binding, and temporal learning, and on the role learning/memory biases play in cognitive and attentional control paradigms (e.g., task switching or Stroop conflict tasks). Candidates with sufficient programming experience may additionally/alternatively contribute to the neural network research program of the lab. **About the lab** LEAD is a cognitive psychology lab whose research activity focuses on changes in information processing mechanisms during development and subsequent to implicit, didactic, or professional learning. In contrast to the dominant models of cognition, the theoretical approach of the lab is to attempt to develop parsimonious cognitive models. The lab's fundamental research agenda is complemented by

	research that is directly applicable to the health sciences and, to a lesser extent, to education and industry. Interdisciplinary research has an ever growing place at LEAD. LEAD is currently part of the Biological Sciences Institute (INSB) of the French National Scientific Research Center (CNRS, section 26), to the DS6 section of the French Ministry of Education and Research, and to the Health & Engineering (Santé-STIC) division of the University of Burgundy. The lab is made up of 13 professors (7 full professors and 6 associate professors), 2 CNRS researchers (1 research director and 1 junior researchers), 2 computer technicians and 2 administrative assistants. In addition, the lab includes 3 visiting professors (1 research director, 1 full professor, 1 associate professor), 8 external professors (including 1 research director, 1 full professor, 2 associate professors), 4 engineers financed by grant funding, and 8 graduate students.
Supervisor(s)	Schmidt, James R. (ubphdsearch@gmail.com)
Candidate profile	We are seeking highly motivated and creative candidates who have (or are nearing completion of) a Master's degree in psychology with a background in cognitive psychology research. Candidates should have an interest in research on human contingency learning (esp., implicit learning) and/or cognitive and attentional control (e.g., task switching or conflict monitoring). Ideal candidates will have experience running laboratory experiments (e.g., as a research assistant) in addition to experience designing experiments with experimental software packages (e.g., E-Prime, Inquisit). Although not a requirement, candidates with experience with neural networks and/or computer programming (esp., Java) would be an asset. Reasonable proficiency in English (written and spoken) is a requirement.
Keywords	cognitive psychology, experimental psychology, learning psychology, cognitive and attentional control, neural networks
Application deadline	30 June 2018
Application	Please send the following documents (all in one PDF file) by e-mail to job-application@ubfc.fr: 1) For EU candidates: Copy of your national ID card or of your passport page where your photo is printed. For non-EU candidates: Copy of your passport page where your photo is printed. 2) Curriculum Vitae (1 page). 3) Letter of motivation relative to the position (1 page). 4) Copy of your Master degree if already available. 5) Copy of your final marks and ranks. 6) Contact details of reference persons (maximum 3, at least your master thesis supervisor): Title, Name, organization, e-mail. If you have questions regarding the application, please contact the supervisors.